Table 1 : Table that summarizes the experiments loading scheme and recordings. Step velocity change is an instantaneous change of the loading velocity. Loading velocity increases to a higher value for a certain amount of time and goes back to the initial velocity. A gradient loading corresponds to a progressive increase of the loading velocity then followed by a progressive decrease of the loading velocity. A Sine loading corresponds to a constant loading velocity modulated by a period of a sine function. This loading scheme is illustrated in figure 2 and 7.

Experiment #	Acquisition system	Loading scheme	AE number	<v> (micro m /s)
1	NIKON D700	Step velocity change	481	50
2	NIKON D700	Step velocity change	681	600
3	NIKON D700	Step velocity change	1415	70
4	NIKON D700	Step velocity change	2222	50
5	NIKON D700	Step velocity change	1737	50
6	NIKON D700	Step velocity change	612	30
7	NIKON D700	Gradient	1206	500
8	NIKON D700	Gradient	323	640
9	Optronic Camrecord 600	Gradient	373	780
10	Optronic Camrecord 600	Gradient	209	230
11	Optronic Camrecord 600	Gradient	4187	570
12	Optronic Camrecord 600	Sine	522	2410
13	Optronic Camrecord 600	Sine	3834	400
14	Optronic Camrecord 600	Step velocity change	247	660